DIY Affordable Window Shading

Overview

This document shows how you can easily and affordably shade your windows to keep your home from getting too hot on sunny days. This phenomenon (what researchers call "solar heat gain") can threaten occupant comfort and safety, especially during heatwayes. Still, many homes lack adequate protection.

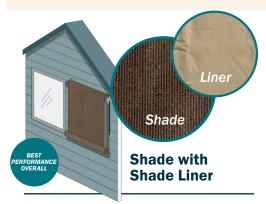
All of these solutions can be implemented inexpensively using common household items or items that can easily be purchased online. Additionally, you don't need specialized tools or expertise to install them. Note that these are ideally temporary fixes, so households with sufficient means should still pursue permanent ones (e.g., shades—preferably on the outside—or specialized windows or films). In their absence, the stopgap measures described below can help protect you and your loved ones during heatwaves and other exceptional events.



Recommendations

Exterior-Mounted Solutions

(Provide the highest protection from solar heat)



What to look for: 1) fabric outdoor roller shade, 2) blackout curtain liner for outdoor roller shade

Where to purchase: Major online retailers, major home improvement stores

Installation materials: Screws
Price: \$100 -\$120 per window
Typical usage: Longer-term



What to look for: Aluminum foil
Where to purchase: Grocery stores

Installation materials: Door and window weather stripping tape, waterproof foam tape

Price: \$10 - \$20 per window **Typical usage:** Short-term



What to look for: Exterior PVC bamboo shade

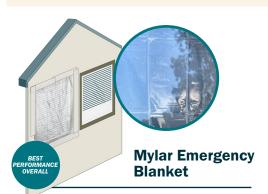
Where to purchase: Major online retailers, major home improvement stores

Installation materials: Screws, door and window weather stripping tape, waterproof foam tape

Price: \$15 -\$25 per window **Typical usage:** Longer-term

Recommendations

Interior-Mounted Solutions



What to look for: Emergency blanket, thermal blanket, Mylar sheet

Where to purchase: Major online retailers, major home improvement stores, outdoor store

Installation materials: Adhesive tape,

double sided tape **Price:** \$10-\$15

Typical usage: Short-term

Scan the QR code for the most current

version of this

handout



What to look for: Reflective bubble wrap, reflective bubble insulation

Where to purchase: Major online retailers, major home improvement stores, it can also be found in delivery packaging

Installation materials: Adhesive tape,

double sided tape

Price: \$50-\$55

Typical usage: Reusable



What to look for: Aluminum foil Where to purchase: Grocery stores Installation: Adhesive tape, double sided tape

Price: \$10-\$20 per window **Typical usage:** Short-term





Can be easily installed and removed repeatedly

What to look for: window shades with suction cups

Where to purchase: Major online

retailers, major home improvement stores

Installation: Suction cups
Price: \$40 -\$50 per window
Typical usage: Reusable

